



September 1, 2006

Bureau of Land Management  
Vernal Field Office  
170 S. 500 E.  
Vernal, UT 84078

Attn: Minerals Department

Re: All Wells  
Uintah and Duchesne Counties, Utah

Ladies and Gentlemen:

This letter is to inform you that Permitco, Inc. and Shon McKinnon are authorized to act as Agent and to sign or retrieve documents on behalf of Gasco Production Company, a wholly owned subsidiary of Gasco Energy, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned wells.

It should be understood that Permitco, Inc. and Shon McKinnon are acting as Agent only in those matter stated above and are not responsible for drilling, completion, production or compliance with regulations.

Gasco Production Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned wells.

Yours very truly,

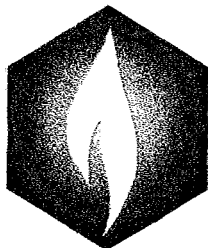
A handwritten signature in black ink, appearing to read "Mark A. Erickson".

Mark A. Erickson

President and CEO

A circular stamp or seal, possibly containing the letters "MKD" or similar initials.

**GASCO**  
**Energy Inc**



**GASCO Energy, Inc.**  
8 Inverness Drive East  
Suite 100  
Englewood, CO 80112  
(303) 483-0044  
[www.gascoenergy.com](http://www.gascoenergy.com)

March 18, 2009

**Division of Oil, Gas and Mining**  
**P.O. Box 145801**  
**Salt Lake City, Utah 84114-5801**

RE: Application for Permit to Drill (APD) Wilkin Ridge Federal 42-23-10-17

To Whom It May Concern:

Gasco Production Company recognizes that the APD for Wilkin Ridge Federal 42-23-10-17 (API # 43-047-39814) and its subsequent extension has expired.

Gasco Production Company is submitting a new APD for the same location. Attached is the previous Onshore Order #1, associated maps and diagrams. All previous information is still applicable to the proposed drilling site, with the exception of an updated drilling-engineering and geology section (attached) for the proposed Wilkin Ridge Federal 42-23-10-17.

Please call or email me with any questions or comments.

Thank you

Roger Knight  
303-483-0044  
[rknight@gascoenergy.com](mailto:rknight@gascoenergy.com)

**RECEIVED**  
**MAR 23 2009**  
**DIV. OF OIL, GAS & MINING**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: UTU-74401	6. SURFACE: Federal
1A. TYPE OF WORK: <b>DRILL</b> <input checked="" type="checkbox"/> <b>REENTER</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: <b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input checked="" type="checkbox"/> <b>OTHER</b> _____ <b>SINGLE ZONE</b> <input type="checkbox"/> <b>MULTIPLE ZONE</b> <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: Wilkin Ridge	
2. NAME OF OPERATOR: Gasco Production Company				9. WELL NAME and NUMBER: Wilkin Ridge Federal 42-23-10-17	
3. ADDRESS OF OPERATOR: 8 Inverness Drive East    CITY Englewood    STATE CO    ZIP 80112				10. FIELD AND POOL, OR WILDCAT: Undesignated	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1,945' from North line 518' from East line AT PROPOSED PRODUCING ZONE: <div style="text-align: right; font-family: cursive;">588396 X 44204434 39.931376 "109.965500"</div>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 23 10S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 28 mile southeast of Myton UT.				12. COUNTY: Uintah	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 518'		16. NUMBER OF ACRES IN LEASE: 1,440		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 Acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) None		19. PROPOSED DEPTH: 17,340		20. BOND DESCRIPTION: Bond # 1233	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,516' GL		22. APPROXIMATE DATE WORK WILL START: 4/30/2009		23. ESTIMATED DURATION: 30 days	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8"    H-40    48#	300	300sxsPremium type5    15.6ppg    1.18 yield
12-1/4"	9-5/8"    N-80    53.5#	6,830	940 sx Hi-lift    11ppg    3.91 yield
			185 sx 10-2RFC    14.1ppg    1.63 yield
7-7/8"	4-1/2"    HCP-110    15.1#	17,340	523 sxHi-lift    11.5ppg    3.05 yield
			2383 sx 50-50POZ    14.1ppg    1.28 yield
Confidential - Tight Hole			

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER<br><input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN<br><input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |
|--|--|

NAME (PLEASE PRINT) Roger Knight    TITLE EHS Supervisor  
 SIGNATURE     DATE 3/16/2009

(This space for State use only)

Approved by the  
Utah Division of  
Oil, Gas and Mining

API NUMBER ASSIGNED: 4304740599

APPROVAL:

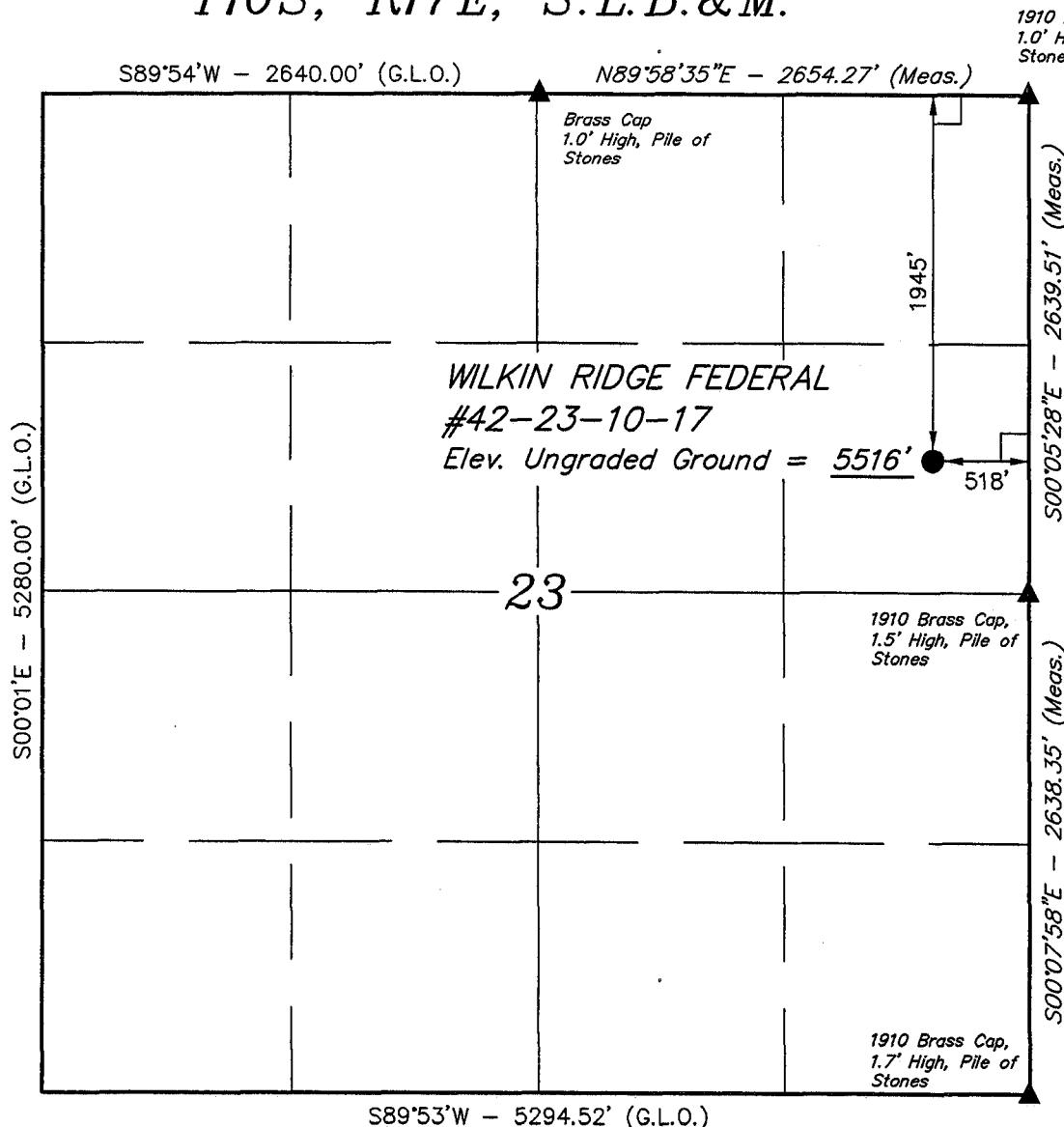
Date: 03-30-2009  
 By:   
(See Instructions on Reverse Side)

**RECEIVED**

**MAR 23 2009**

DIV. OF OIL, GAS & MINING

T10S, R17E, S.L.B.&M.

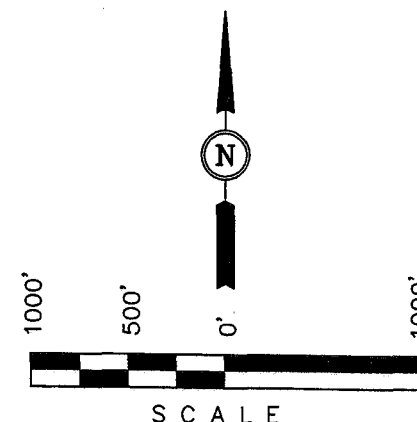


# GASCO PRODUCTION COMPANY

Well location, WILKIN RIDGE FEDERAL #42-23-10-17, located as shown in the SE 1/4 NE 1/4 of Section 23, T10S, R17E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M. TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No. 161319

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

## LEGEND:

└─ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 39°55'52.95" (39.931375)  
LONGITUDE = 109°57'58.37" (109.966214)  
(NAD 27)  
LATITUDE = 39°55'53.08" (39.931411)  
LONGITUDE = 109°57'55.84" (109.965511)

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-20-07	DATE DRAWN: 09-10-07
PARTY J.W. J.K. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE GASCO PRODUCTION COMPANY	



ONSHORE ORDER NO. 1  
Gasco Production Company  
**Wilkin Ridge Federal #42-23-10-17**  
1945' FNL and 518' FEL  
SE NE Section 23, T10S - R17E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 1

ONSHORE OIL & GAS ORDER NO. 1  
Approval of Operations on Onshore  
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **ESTIMATED TOPS OF ALL GEOLOGIC GROUPS, FORMATIONS, MEMBERS OR ZONES**

<i>Formation</i>	<i>Depth</i>	<i>Subsea</i>
Wasatch	4,825'	+701'
Mesaverde	8,895'	-3,369'
Castlegate	11,415'	-5,889'
Blackhawk	11,675'	-6,149'
Spring Canyon	12,455'	-6,929'
TD	12,755'	-7,229'

2. **ESTIMATED DEPTH AND THICKNESS OF WATER, OIL, GAS AND OTHER MINERAL ZONES**

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>	<i>Thickness</i>
Gas	Wasatch	5,000'-8,895'	3,855'
Gas	Mesaverde	8,895'-11,415'	2,520'
Gas	Blackhawk	11,675'-12,655'	980'

- a. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).



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Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 2

- b. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
- c. The lessee-operator must report encounters of all non oil and gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- d. All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

### **3. PRESSURE CONTROL EQUIPMENT**

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double with annular, 5000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals



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Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 3

Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

Pressure tests shall apply to all related well control equipment.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and NOT by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

**Cement baskets shall not be run on surface casing.**

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.



The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 5000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

#### 4. **PROPOSED CASING PROGRAM**

- a. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing and cementing operations and BOPE & casing pressure tests.**
- b. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- c. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- d. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)



ONSHORE ORDER NO. 1  
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**Wilkin Ridge Federal #42-23-10-17**  
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SE NE Section 23, T10S - R17E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 5

- e. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- f. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- g. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- h. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- i. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- j. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- k. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- l. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- m. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.



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SE NE Section 23, T10S - R17E  
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CONFIDENTIAL - TIGHT HOLE

**Lease No. UTU-74401**

**DRILLING PROGRAM**

Page 6

- n. The proposed casing program will be as follows:

<i><b>Purpose</b></i>	<i><b>Depth</b></i>	<i><b>Hole Size</b></i>	<i><b>O.D.</b></i>	<i><b>Weight</b></i>	<i><b>Grade</b></i>	<i><b>Type</b></i>	<i><b>New/Used</b></i>
Conductor	0-40'	17-1/2"	13-3/8"	48#	H-40	---	New
Surface	0-3,375'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-12,755'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

- o. Casing design subject to revision based on geologic conditions encountered.

5. **PROPOSED CEMENTING PROGRAM**

<i><b>Conductor</b></i>	<i><b>Type and Amount</b></i>
TOC @ Surface	50 sx Premium Type 5 @ 15.6 ppg, 1.18 cu ft/sk.
<i><b>Surface</b></i>	<i><b>Type and Amount</b></i>
TOC @ Surface	Lead: 558 sx Hi-Lift @ 11.0 ppg, 3.91 cu ft/sk. Tail: 185 sx 10-2 RFC @ 14.2 ppg, 1.63 cu ft/sk.
<i><b>Production</b></i>	<i><b>Type and Amount</b></i>
TOC @ 2,500'	Lead: 523 sx Hi-Lift @ 11.5 ppg, 3.05 cu ft/sk. Tail: 1273 sx 50/50 POZ @ 14.1 ppg, 1.28 cu ft/sk.

- a. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.
- b. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- c. Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200' above the surface casing shoe.



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SE NE Section 23; T10S - R17E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 7

- d. A Cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.
- e. The following reports shall be filed with the District Manager within 30 days after the work is completed.
  1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
    - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
    - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- f. Auxiliary equipment to be used is as follows:
  1. Kelly cock
  2. No bit float is deemed necessary.
  3. A sub with a full opening valve.

6. **PROPOSED CIRCULATING MEDIUM OR MEDIUMS**

<i><b>Interval</b></i>	<i><b>Mud Type</b></i>	<i><b>Mud Wt.</b></i>	<i><b>Visc.</b></i>	<i><b>F/L</b></i>	<i><b>pH</b></i>
0' - 40'	Fresh Water	8.33	1	N/C	7
40' - 3,375'	Fresh Water	8.33	1	N/C	7-8
3,375' - TD	Fresh Water & DAP	9.0 - 11.5	30 - 40	12 - 20	8

There will be sufficient mud on location to control a blowout should one occur.



A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

- a. Mud monitoring equipment to be used is as follows:
  1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- b. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- c. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- d. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

## **7. PROPOSED TESTING, LOGGING AND CORING**

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.





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CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 9

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of an Induction or Laterolog as appropriate, Gamma Ray, and Density Neutron to be run from TD - base of surface casing.
- c. A Cement Bond Log will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to the Vernal Field Office.
- d. **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@blm.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- e. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- f. All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- g. No cores are anticipated.
- h. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).
- i. The anticipated completion program will be as follows: Perform multistage fracs and complete all productive Blackhawk, Mesaverde and Wasatch zones present in wellbore. Produce all zones commingled.



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CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 10

- j. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

**8. EXPECTED BOTTOM HOLE PRESSURE**

- a. The expected bottom hole pressure is 7143 psi. The maximum bottom hole temperature anticipated is 217 degrees F.
- b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

**9. OTHER INFORMATION AND NOTIFICATION REQUIREMENTS**

- a. Drilling will commence immediately upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 24 days.
- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction commencement and of anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
- e. The spud date will be reported orally to the Vernal Field Office within 24 hours of spudding. The oral report will be followed up with a Sundry Notice.
- f. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- g. Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.



ONSHORE ORDER NO. 1  
Gasco Production Company  
**Wilkin Ridge Federal #42-23-10-17**  
1945' FNL and 518' FEL  
SE NE Section 23, T10S - R17E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**DRILLING PROGRAM**

Page 11

- h. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- i. In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, CO 80217-0110, or call 1-800-525-7922 (303)231-3650 for reporting information.
- j. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- k. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- l. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- m. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90 day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by the Vernal Field Office.



- n. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- o. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- p. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- q. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment: (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.
- r. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.
- s. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, production, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.



ONSHORE ORDER NO. 1  
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CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

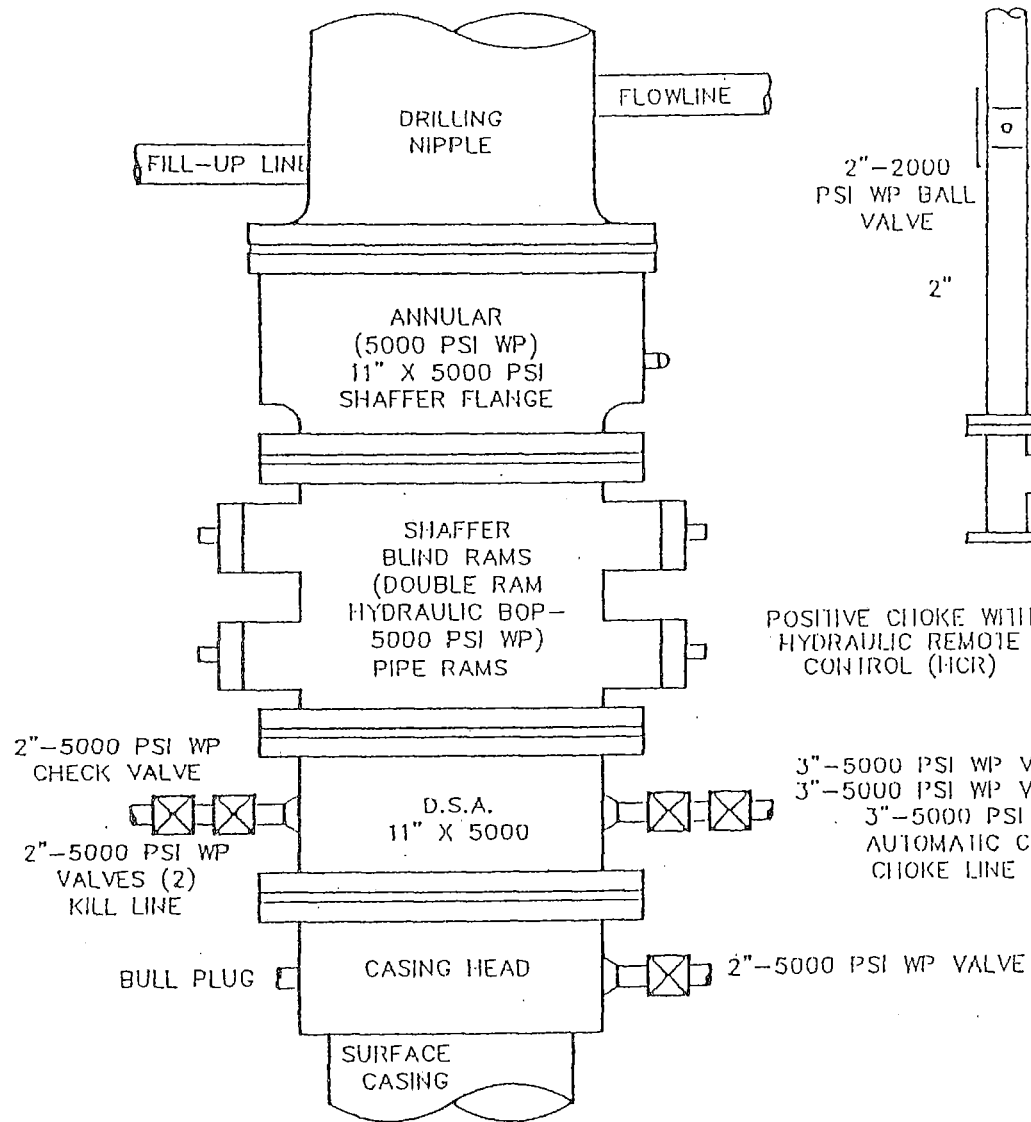
**DRILLING PROGRAM**

Page 13

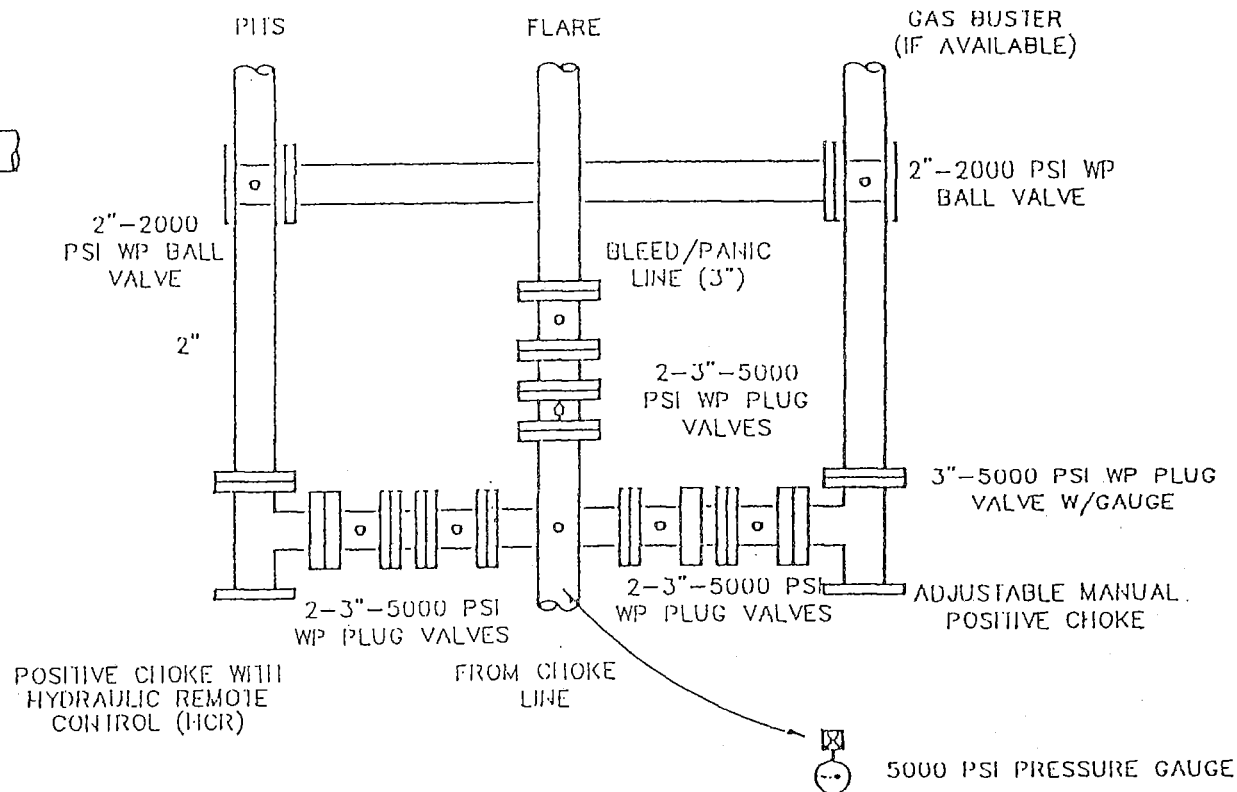
- t. This APD is subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field Office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in the Vernal Field Office no later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
1. Operator name, address, and telephone number.
  2. Well name and number.
  3. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  4. Date well was placed in a producing status (date of first production for which royalty will be paid).
  5. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  6. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  7. Unit agreement and/or participating area name and number, if applicable.
  8. Communitization agreement number, if applicable.
- u. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL 3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.



# BOP SCHEMATIC 5000 PSI WORKING PRESSURE



## PLAN VIEW CHOKES MANIFOLD



THE HYDRAULIC CLOSING UNIT WILL BE LOCATED MORE THAN 30' FROM THE WELLHEAD. CHOKE AND BLEED/PANIC LINES WILL GO TO THE PIT AND FLARE. ALL CONNECTIONS IN CHOKE LINES AND MANIFOLD WILL BE FLANGED OR WELDED. ALL FLANGES SHOULD BE RING JOINT GASKET TYPE. ALL TURNS IN LINES SHALL BE CONSTRUCTED USING TARGETING 90° TEES OR ELLS. ALL LINES SHALL BE ANCHORED.

ONSHORE ORDER NO. 1  
Gasco Production Company  
**Wilkin Ridge Federal #42-23-10-17**  
1945' FNL and 518' FEL  
SE NE Section 23, T10S - R17E  
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**SURFACE USE PLAN**

Page 1

**ONSHORE OIL & GAS ORDER NO. 1  
NOTIFICATION REQUIREMENTS**

<i><b>Title</b></i>	<i><b>Name</b></i>	<i><b>Office Phone</b></i>	<i><b>Cell Phone</b></i>
Petroleum Engineer	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer	Ryan Angus	435-781-4430	435-828-7368
Supervisory Petroleum Technician	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist	Karl Wright	435-781-4484	
NRS/Enviro Scientist	Holly Villa	435-781-4404	
NRS/Enviro Scientist	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist	Michael Cutler	435-781-3401	
NRS/Enviro Scientist	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist	Darren Williams	435-781-4447	
NRS/Enviro Scientist	Nathan Packer	435-781-3405	
<b><i>After Hours Contact Number:</i></b>		<b><i>435-781-4513</i></b>	<b><i>435-781-4410 Fax</i></b>



ONSHORE ORDER NO. 1  
Gasco Production Company  
**Wilkin Ridge Federal #42-23-10-17**  
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Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**SURFACE USE PLAN**

Page 2

<b>NOTIFICATION REQUIREMENTS</b>		
Location Construction (Notify NRS/Enviro Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

The onsite inspection for the subject well site was conducted on Wednesday, September 19, 2007 at approximately 10:47 a.m. Weather conditions were clear, cool and breezy. In attendance at the onsite inspection were the following individuals:

Darren Williams	Natural Resource Specialist	Bureau of Land Management
Brandon McDonald	Wildlife Biologist	Bureau of Land Management
Randy Smith	Field Operations	Permitco Inc.
Shon McKinnon	Consultant	Gasco Production Company
Jake Huffman	Dirt Contractor	
Jesse Walton	Surveyor	Uintah Engineering and Land Surveying
Linda Sperry	Environmental Specialist	SWCA

1. **EXISTING ROADS**

- a. The proposed well site is located approximately 28 miles southeast of Myton, Utah.





- b. Directions to the location from Myton, Utah are as follows:

Proceed in a southeasterly direction from Myton, Utah for approximately 12.7 miles to the Castle Peak Mine. Turn right and continue southerly for 6.6 miles until reaching a fork in the road. Turn left and proceed easterly 4.7 miles. Turn right and proceed southwest 2.7 miles. Continue southwest onto an existing 2-track 0.7 miles. Turn right onto the proposed access and proceed north 0.6 miles until reaching the proposed location.

- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to existing main roads will not be required.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

**2. NEW OR RECONSTRUCTED ACCESS ROADS**

- a. Approximately 0.6 miles of new construction will be necessary.
- b. The maximum grade of the new construction will not exceed 8%.
- c. No culverts will be necessary. There will be two low water crossings installed along the proposed access.
- d. The 0.6 miles of new access road was centerline flagged at the time of staking.
- e. The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.
- f. No cattle guards will be necessary.
- g. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.



- h. All access roads will be constructed in accordance with Gold Book Standards.
- i. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- j. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- k. Road right of way is requested for a portion of the new access located in Sec. 23, T10S - R17E. We are requesting that this APD be used as our application for road right of way. Please notify us once a category determination has been made so that we may send the necessary fees.

3. **LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION**  
(See Map "C")

- a. Water wells - none
- b. Producing wells - one
- c. Shut-in wells - none
- d. Temporarily abandoned wells - none
- e. Disposal wells - none
- f. Abandoned wells - one
- g. Dry Holes - none



**4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES**

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Carlsbad Canyon. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. If the well is productive, a production facility layout will be submitted via sundry.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the separator. Meter runs will be housed and/or fenced.
- f. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- g. Any necessary pits will be properly fenced to prevent any wildlife entry.
- h. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- i. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- k. All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.



- l. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
- m. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- n. The road will be maintained in a safe useable condition.
- o. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site such as Disposal Inc., or Brennan Bottom.
- p. Pipelines will follow the route shown on Map D. See Pipeline detail attached. Pipeline right of way is needed for the portion of pipeline located outside the lease boundary located in the NE SE Section 23, T10S - R17E. We are requesting that this APD be used as our application for pipeline right of way. Please notify us once a category determination has been made so that we may send the necessary fees.

**5. LOCATION AND TYPE OF WATER SUPPLY**

- a. The proposed water source will be the Nebecker Water Service at the Nebecker Water Station in Myton, permit #43-1721.
- b. Water will be hauled by Nebecker Water Service to the location over the access roads shown on Maps A and B.
- c. No water well will be drilled on this lease.

**6. CONSTRUCTION MATERIALS**

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.



- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.
- e. Operator shall notify any active Gilsonite mining operating within 2 miles of the location 48 hours prior to any blasting during construction for this well.

**7. METHODS OF HANDLING WASTE DISPOSAL**

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. At the request of the BLM, the reserve pit will be lined with a 12 mil liner. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.



- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

**8. ANCILLARY FACILITIES**

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

**9. WELL SITE LAYOUT**

- a. The operator or his/her contractor shall contact the BLM Office at 435/781-4400 forty-eight (48) hours prior to construction activities.
- b. The reserve pit will be located on the north side of the location.
- c. The flare pit will be located on the east side of the reserve pit, a minimum of 100 feet from the well head and 20 feet from the reserve pit fence.
- d. The stockpiled topsoil (first six inches) will be stored on the south side of the location, between corners 1 and 2 near the wellpad. Topsoil along the access route will be wind rowed on the uphill side.
- e. Access to the well pad will be from the southwest as shown on the Pit & Pad Layout.
- f. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.
- g. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- h. All pits will be fenced according to the following minimum standards:
  - 1. 39 inch net wire shall be used with two strands of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).



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CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**SURFACE USE PLAN**

Page 9

2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
  3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
  5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- i. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

**10. PLANS FOR SURFACE RECLAMATION**

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.



- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. A seed mixture will be specified by the Bureau of Land Management in their Conditions of Approval for the subject well.

Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.

- f. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix. The seed will be walked in with a cat.
- g. The seed mixture will be recommended by the BLM.

Plugged and Abandoned

- a. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.
- b. Following well plugging and abandonment, the location, the access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated per BLM requirements.
- c. Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.

Interim Surface Reclamation will be as follows:

- a. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.
- b. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.





Gasco Production Company

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1945' FNL and 518' FEL

SE NE Section 23, T10S - R17E

Uintah County, Utah

Lease No. UTU-74401

**SURFACE USE PLAN**

Page 11

- c. If a synthetic, nylon re-enforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.
- d. The reserve pit will be reclaimed within 180 days from the date of final well completion, weather permitting.
- e. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be re-spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production operations. Re-seeding, using appropriate reclamation methods, will occur immediately following the re-spreading of topsoil, weather permitting. The Authorized Officer will provide a seed mixture to re-vegetate the reserve pit and other unused disturbed areas at the time of the onsite.

**11. SURFACE OWNERSHIP**

Access Roads - The majority of the access roads are maintained by the County Road Department or the Bureau of Land Management.

Well pad - The well pad is located on lands managed by the BLM.

**12. OTHER INFORMATION**

- a. A Class III archeological survey has been conducted by Grand River Institute and will be submitted under separate cover.
- b. A Paleontological Evaluation was done by Alden Hamblin and is attached.
- c. A Special Status Plant and Wildlife Species report was done by SWCA and will be submitted directly by SWCA.



- d. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of Historic Places;
  - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
  - a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.
- e. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- f. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.
- g. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.



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CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74401

**SURFACE USE PLAN**

Page 13

- h. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- i. There will be no deviation from the proposed drilling and/or work over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.
- j. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- k. This permit will be valid for a period of two years from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- l. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- m. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

**AGENT AND OPERATOR'S CONTACT INFORMATION**

Permit Matters

**PERMITCO INC.**  
14421 County Road 10  
Ft. Lupton, CO 80621  
303/857-9999 (O)  
303/857-0577 (F)  
Lisa Smith

Drilling & Completion Matters

**Gasco Production Company**  
8 Inverness Drive East, Suite 100  
Englewood, CO 80112  
John Longwell  
303/483-0044 (O)  
303/ 483-0011(F)

Shawn Elworthy - Field Superintendent  
Roosevelt, UT  
435-823-4272 (cell)



PIPELINE INFORMATION  
*Wilkin Ridge Federal #43-23-10-17*

1. The type of pipeline is a single well flow line.
2. The outside diameter (O.D.) of all will be 8 inches maximum.
3. The anticipated production through the line is approximately 2000 MCF per day.
4. The anticipated maximum test pressure is 1000 psi.
5. The anticipated operating pressure is 100-200 psi.
6. The type of pipe is steel.
7. The method of coupling is welded.
8. There are no other pipelines to be associated in same right of way.
9. There will be other objects to be associated in the same right of way. (Risers, Pig Launchers Pig Traps, meters and other appurtenances as required.)
10. The total length of pipeline is approximately 6,811 feet - see Map D.
11. The line will be laid on surface because of the rocky surface as shown on Map D. The pipeline will follow existing or proposed roads.
12. The construction width for total surface disturbing activities is 30 feet.
13. The estimated total acreage involving all surface disturbing activities is 4.69 acres.
14. Any surface disturbance created as a result of the pipeline construction will be reclaimed utilizing the reclamation procedures and seed mixture specified by the Bureau of Land Management.
15. The line will be tested with gas pressure to 1000 psi.





PERMITCO INC.  
14421 County Road 10  
Fort Lupton, CO 80621

Phone 303/857-9999 Fax 303/857-0577 E-mail LSPermitco@aol.com

In order to complete the required federal permits, it will be necessary  
for you to supply the following information:

#### CLIENT INFORMATION

Client Name: Gasco Production Company  
Address: 14421 County Road 10, Suite 100 City: Englewood State: CO Zip: 80112  
Telephone: 303.483.0044 Fax: 303.483.0011 E-Mail: dsmith@gascoenergy.com

#### GENERAL WELL INFORMATION

Well Name & Number: Wilkin Ridge Fed 42-23-10-17 Field Name: Wilkin Ridge Wildcat ☐  
Surface location: SENE 23-10S-17E1945' FNL 518' FEL  
PBHTD location: same  
County: Uintah State: UT Type (Check One) Oil ☐ Gas ☒ CBM ☐  
Is this a Federal Unit? (Check One) ☐ Yes ☒ No ☐ Unit: Wilkin Ridge  
Confidential Tight Hole? (Check One) ☐ No ☐ Yes ☒

#### CASING PROGRAM

	Depth	Hole Size	O.D.	Weight	Grade	Type	New	Used
Conductor	300	17 1/2"	13 3/8"	48#	H-40		X	
Surface	6830	12 1/4"	9 5/8"	53.5#	N-80	LTC	X	
Production	17340	7 7/8"	4 1/2"	15.1#	HCP-110	LT&C	X	

\*If Open Hole Completion, please indicate interval.

#### CEMENT PROGRAM (INCLUDE ADDITIVES)

Conductor	Type and Amount
Conductor	300 sxs Premium Type 5 mixed at 15.6 ppg, yield 1.18
Est. Top of Cement	
Surface	Type and Amount
Surface	940 SX Hi-Lift @ 11 PPG, Yield = 3.91 cu.ft./ft, followed by
Est. Top of Cement	185 SX 10-2 RFC @ 14.2 PPG, Yield = 1.63 cu.ft./ft
Production	Type and Amount
6730'	523 SX Hi-Lift @ 11.5 PPG, Yield = 3.05 cu.ft./ft, followed by
Est. Top of Cement	2383 SX 50-50 POZ @ 14.1 PPG, Yield = 1.28 cu.ft./ft

#### MUD PROGRAM

Interval	Mud Type	Mud Weight	Viscosity	Fluid Loss	pH
0 - 300	fresh water	8.33	32	na	7
300 - 6830	fresh water	8.33-9.0	32	na	7-8
6830 - TD	Fresh water & DAP	9.0-12.5	30-40	12-20	8

No. of Days to Reach T.D. 55 Approximate Spud Date 10/1/2008  
Abnormal Pressures Expected? (Check One) No ☐ Yes ☒  
If yes How Controlled? Mud Weight  
Max Bottom Hole Pressure 10404 PSIG x Bottom Hole Temperature 312.12 °F

#### HAZARDS

Hydrogen Sulfide Gas? (Check One) No ☒ Yes ☐  
Other Potential Hazards (please list)  
If Yes, Name of H2S Company to prepare Contingency Plan  
Telephone

Anticipated Drilling Contractor Nabors Phone #  
Well Pad Size 350X450' Rig #  
Pit Size 120'X140' Depth of Pit 10'

Wilkin Ridge Fed 42-23-10-17

**PROPOSED COMPLETION PROGRAM**

Perform multistage fracs and complete all productive Dakota, Mancos, Blackhawk, Mesaverde and Wasatch zones present in wellbore. Produce all zones commingled.

Primary Objective	Secondary Objective
-------------------	---------------------

**FORMATION TOPS**

Formation	TVD	MD	Subsea
Wasatch		4830	710
Mesaverde		8900	-3360
Castlegate		11420	-5880
Blackhawk		11680	-6140
Kenilworth		12190	-6650
Spring Canyon		12460	-6920
Mancos		12620	-7080
Dakota		17040	-11500
TD		17340	

(GEOLOGY)

**ANTICIPATED DEPTHS OF WATER, OIL, GAS AND COAL BEARING ZONES:**

Substance	Formation	Anticipated Depth
Gas	Wasatch	5000-8900
Gas	Mesaverde	8900-11420
Gas	Blackhawk	11680-12560
Gas	Mancos	12620-17040
Gas	Dakota	17040-17240

**LOGGING PROGRAM**

Logs	Depth
Baker Minislam or equivalent	Base surface csg-TD

**CORING PROGRAM**

Formation	Depth
None planned	

**DRILL STEM TESTS**

Formation	Depth
None planned	

**SURFACE OWNER INFORMATION**

Has the Surface Owner been notified of your intent to drill?		N <input type="checkbox"/>	Yes <input type="checkbox"/>
Name of Surface Owner _____			
Address _____		Telephone: _____	
City _____	State _____	Zip _____	

(LAND)



## LEASE INFORMATION

Lease:	Attached <input type="checkbox"/> On <input type="checkbox"/>	Lease #	UTU-74401	Total # of Acres	1,440
Stipulations:	Attached <input type="checkbox"/> On <input type="checkbox"/>	Big Game <input type="checkbox"/> Raptor <input type="checkbox"/> Other	See below		
Distance to Nearest Lease Line:	Distance to nearest surface property line				
Acres in Spacing Unit	Acres in Drilling Unit		40	Descript. Drilling Unit	SENE
Spacing Order #	Spacing Docket #		N/A <input type="checkbox"/>		
Lease Expiration Date	HBU		Farmout Expiration Date		
Location of Nearest Well completed/drilling within this lease			ANR DSU 24-C-11, NESW 24		
Location of nearest Well completed in the objective formation			Gasco Fed 14-31-9-19, SW31-T9S-R19E		

(LAND)

## LEASE DESCRIPTION: (PLEASE DESCRIBE LOCATION OF ANY LOTS)

Township 10 South, Range 17 East, SLM  
Section 23: NE, NENW, SW, W2SE, SESE  
Section 24: S2NE, SW, N2SE, SWSE;  
Section 25: NENE, S2NE, W2, SE;

Copy of lease emailed to PermitCo May 28, 2008.

Stipulations: Ferruginous Hawk in Sections 23: SW, W2SE Section 25: S2NE, SE (not drillsite)  
Golden Eagle Section 23: NE, NENW, SW, W2SE, SESE, (Entire Lease)

## BOND INFORMATION

BLM Bond No.	UT 1233	Nationwide <input type="checkbox"/>	Statewide <input checked="" type="checkbox"/>	Single Well <input type="checkbox"/>
--------------	---------	-------------------------------------	---	--------------------------------------

Water Source (if known)	Myton water dock, Produced field water, green river		
Water Hauler	Nebecker	Phone	

Do you wish to have dirt contractor(s) present at an onsite inspection?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dirt Contractors	Telephone		
Huffman			

Surveyor		Telephone	
Archeologist		Telephone	
Number of copies of permit required?			
In house	Partners		
If you prefer, copies will be mailed directly to your partners. Please supply a mailing list.			

(MISCELLANEOUS)

## Attachments:

1. Authorization of Agent Letter on your company's letterhead	Attached <input type="checkbox"/>	On File @ PermitCo <input type="checkbox"/>
2. Map showing surface ownership of access route	Attached <input type="checkbox"/>	On File @ PermitCo <input type="checkbox"/>
3. BOP and Choke Manifold Schematic		
2000psi <input type="checkbox"/>	3000 psi <input type="checkbox"/>	5000 <input type="checkbox"/>
	Annular <input checked="" type="checkbox"/>	psi Double Ram <input checked="" type="checkbox"/>
We would like PermitCo Inc. to supply a BOP diagram <input checked="" type="checkbox"/>		We will supply the BOP diagram <input type="checkbox"/>
4. Map or description of all producing, injection/disposal, drilling, water wells within a 1-mile radius of the proposed drillsite.	Attached <input type="checkbox"/>	To be prepared by surveyor <input type="checkbox"/>

Contact Person for drilling/completion matters	JOHN LONGWELL		
Business Phone	303-483-0044	Home Phone	303-870-6169

Thank you for taking the time to complete these forms. Please return this information to the address below.

PERMITCO INC.  
14421 County Road 10  
Fort Lupton, CO 80621  
Phone 303/857-9999 Fax 303/857-0577  
E-Mail: LSPermitco@aol.com or Permitco1@aol.com

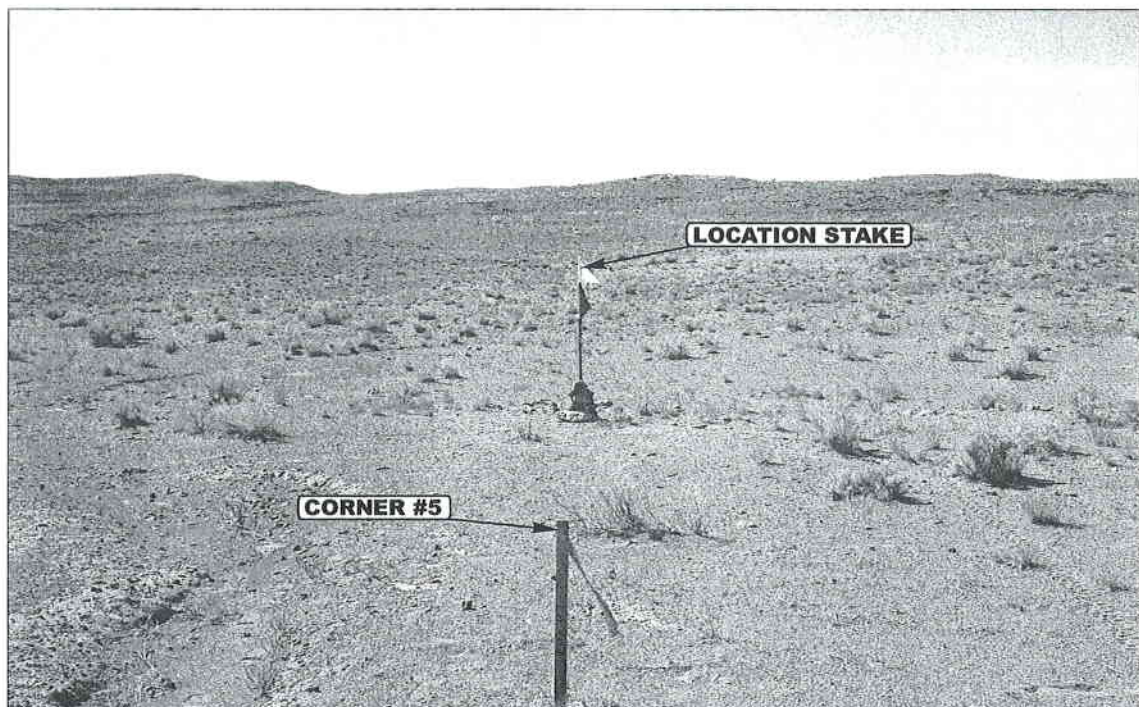


Wilkin Ridge Fed 42-23-10-17

Confidential - Tight Hole

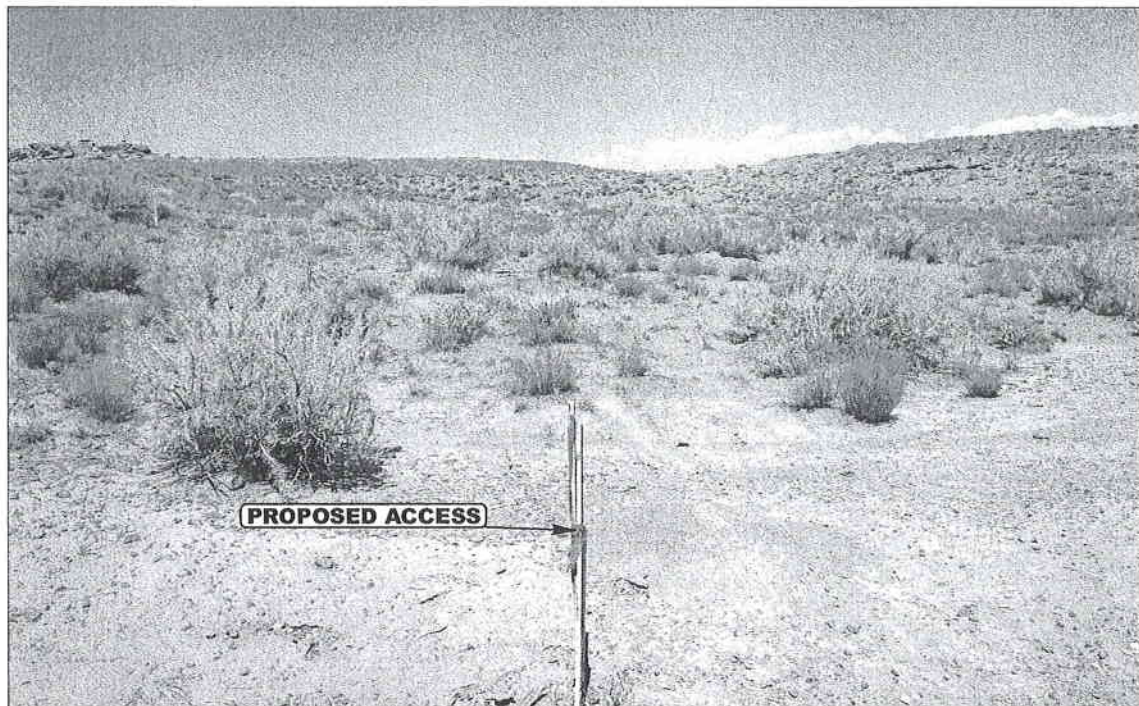


**GASCO PRODUCTION COMPANY**  
**WILKIN RIDGE FEDERAL #42-23-10-17**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 23, T10S, R17E, S.L.B.&M.**



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE**

**CAMERA ANGLE: SOUTHEASTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

**CAMERA ANGLE: NORTHWESTERLY**



**UELS**

**Uintah Engineering & Land Surveying**

85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**08** **28** **07**  
MONTH DAY YEAR

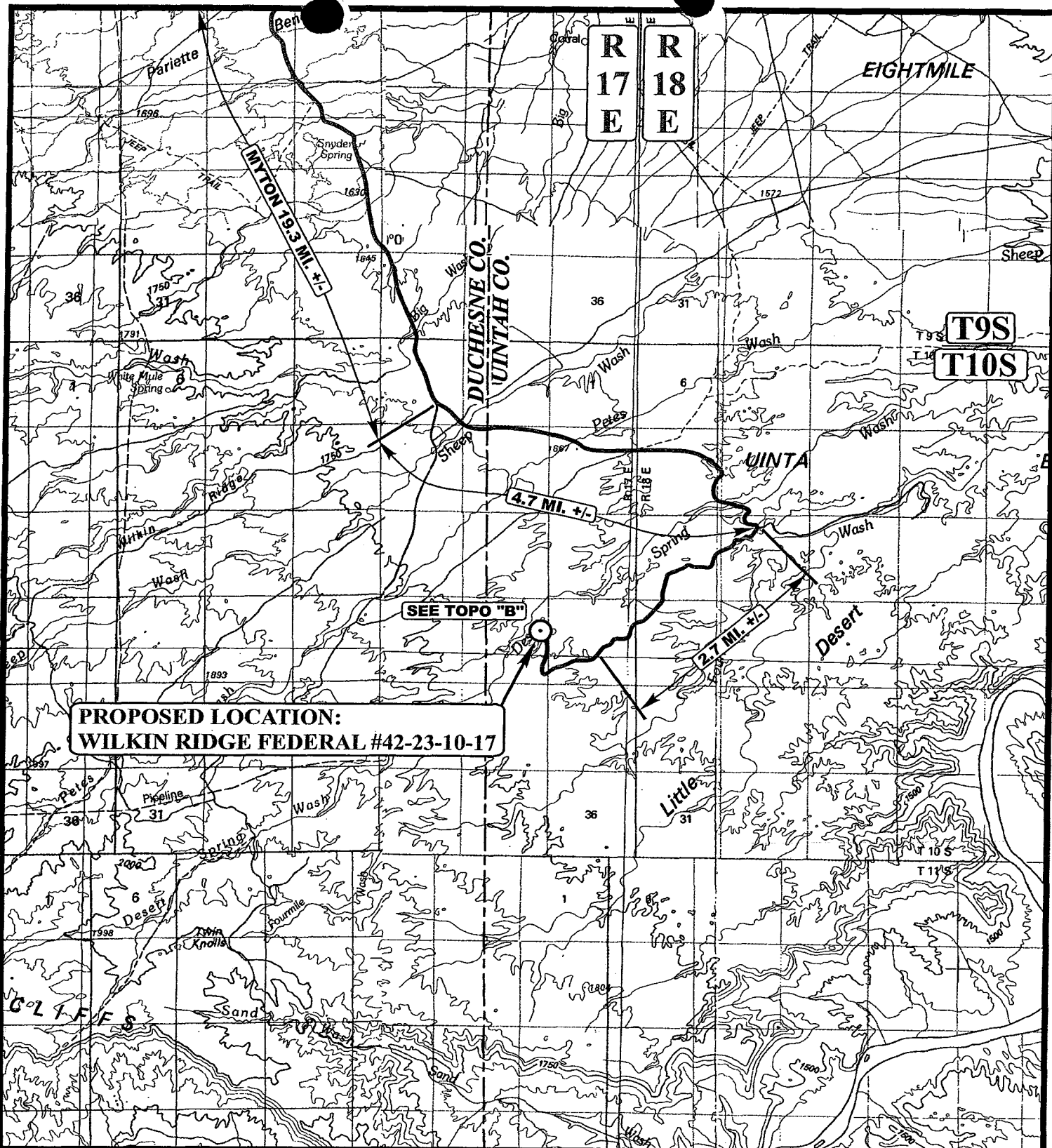
**PHOTO**

TAKEN BY: J.W.

DRAWN BY: C.P.

REVISED: 00-00-00





**PROPOSED LOCATION:  
WILKIN RIDGE FEDERAL #42-23-10-17**

# **LEGEND:**

○ PROPOSED LOCATION



**GASCO PRODUCTION COMPANY**

**WILKIN RIDGE FEDERAL #42-23-10-17  
SECTION 23, T10S, R17E, S.L.B.&M.  
1945' FNL 518' FEL**



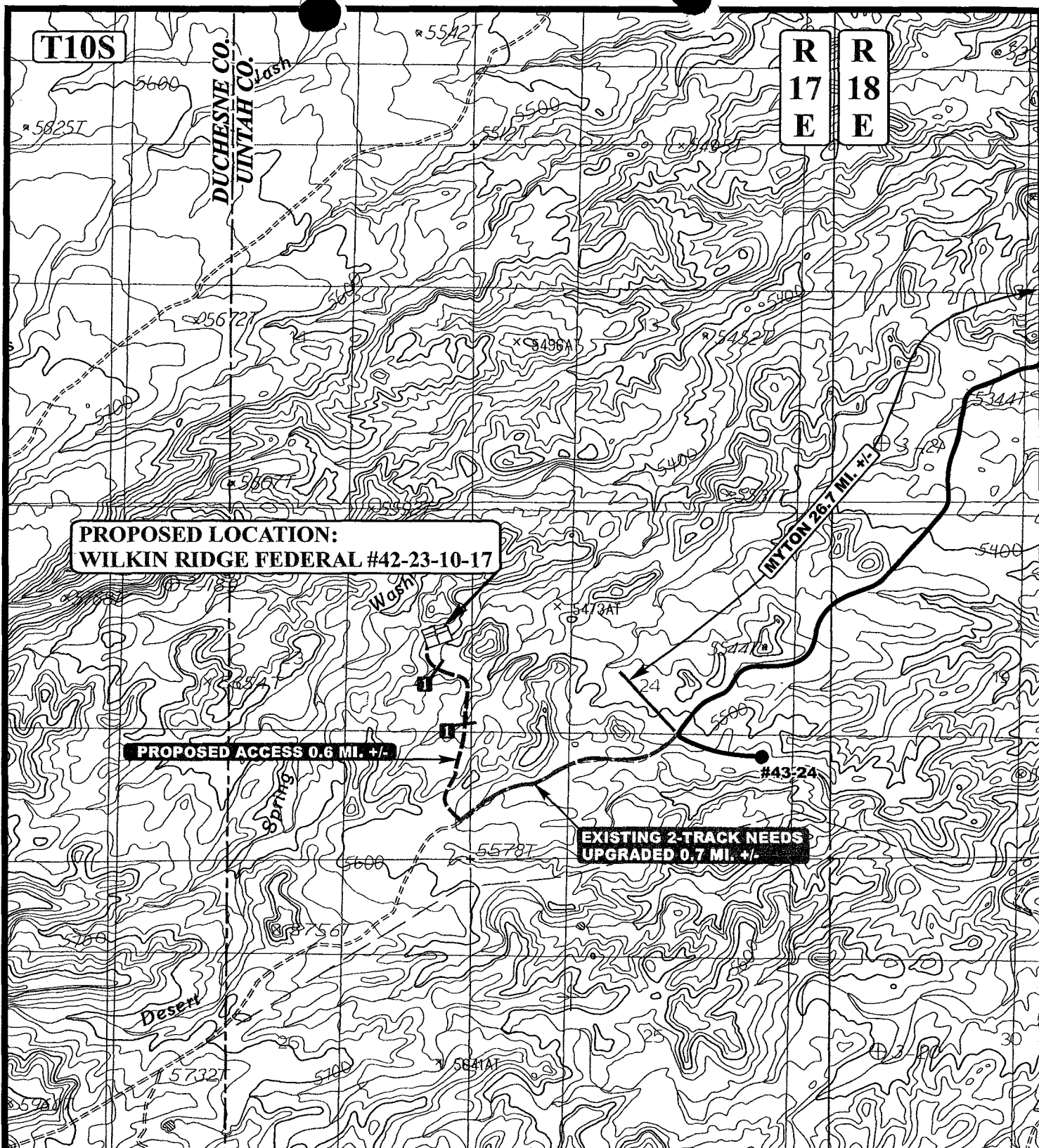
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**08 28 07**  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





# **LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- LOW WATER CROSSING REQUIRED



## **GASCO PRODUCTION COMPANY**

**WILKIN RIDGE FEDERAL #42-23-10-17**  
**SECTION 23, T10S, R17E, S.L.B.&M.**  
**1945' FNL 518' FEL**



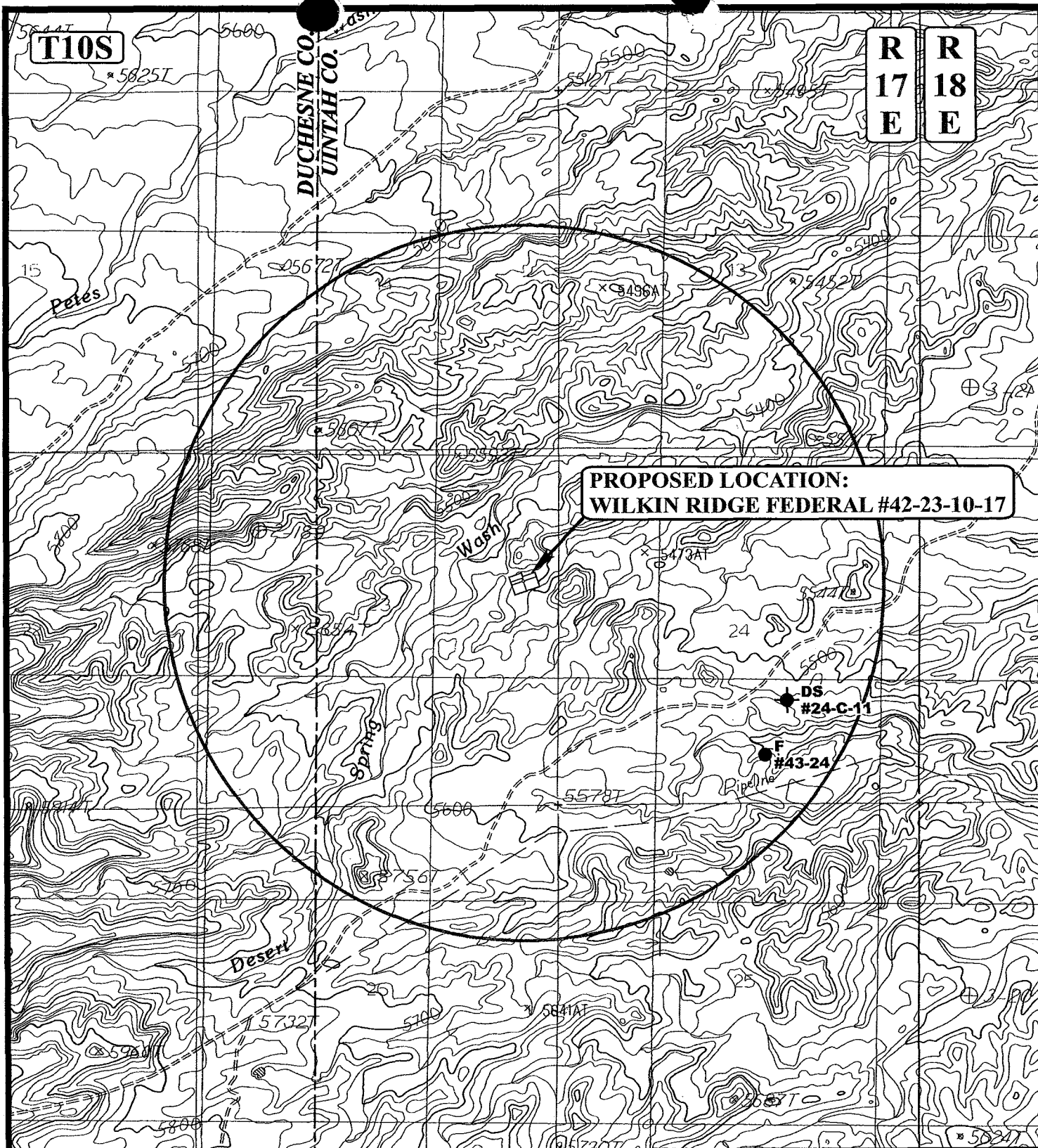
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**08** **28** **07**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 10-01-07





# LEGEND:

- |                   |                         |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS  | ○ WATER WELLS           |
| ● PRODUCING WELLS | ● ABANDONED WELLS       |
| ● SHUT IN WELLS   | ● TEMPORARILY ABANDONED |



## GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #42-23-10-17  
SECTION 23, T10S, R17E, S.L.B.&M.  
1945' FNL 518' FEL



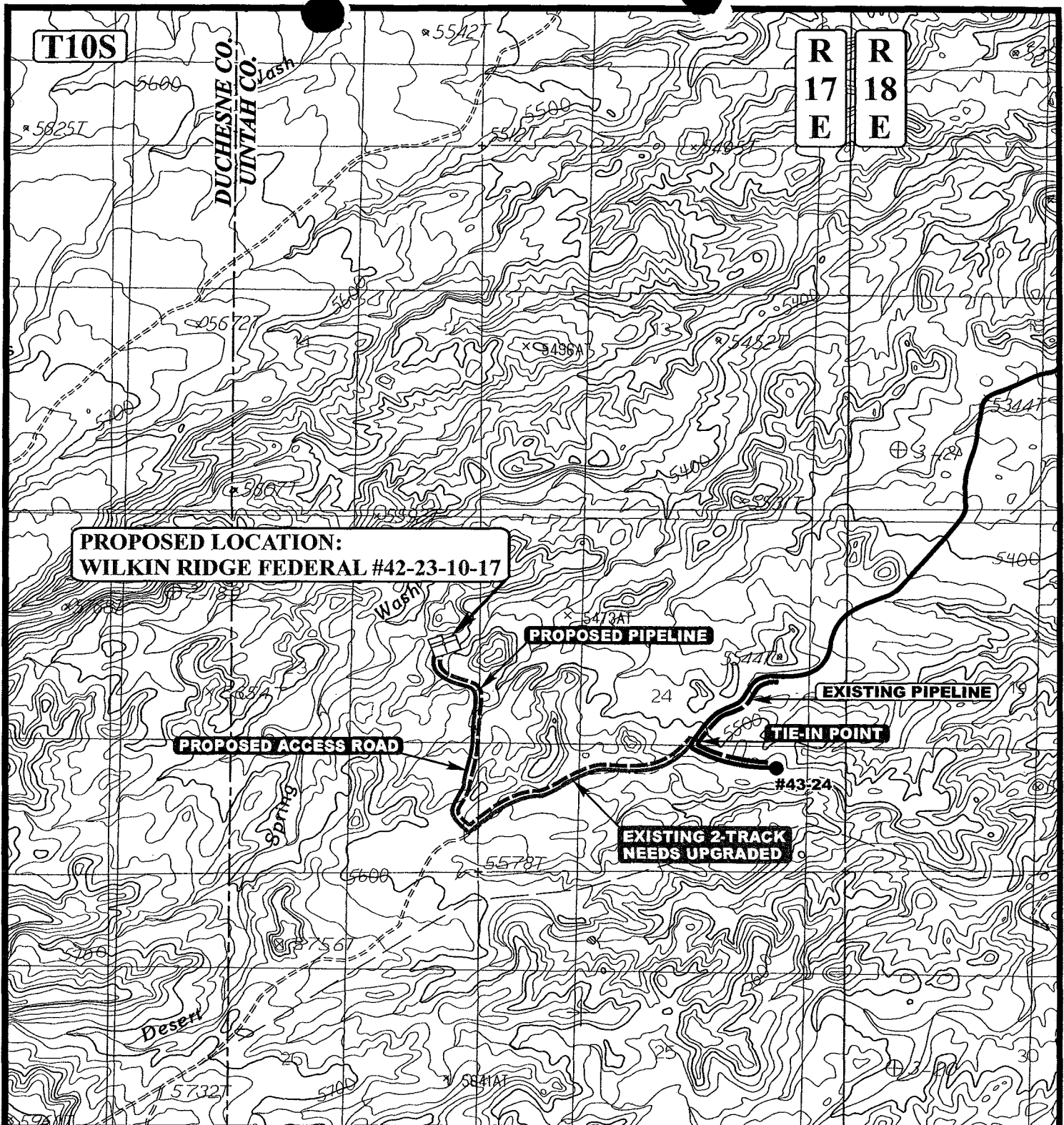
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**08** **28** **07**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 6,811' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- EXISTING PIPELINE
- PROPOSED PIPELINE



# GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #42-23-10-17  
SECTION 23, T10S, R17E, S.L.B.&M.  
1945' FNL 518' FEL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

08 28 07  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



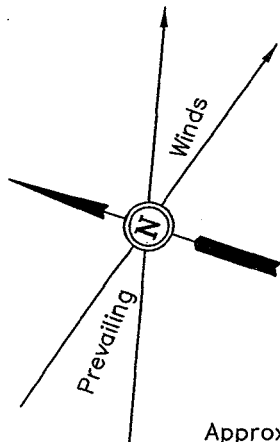
## LOCATION LAYOUT FOR

SECTION 23, T10S, R17E, S.L.B.&M.

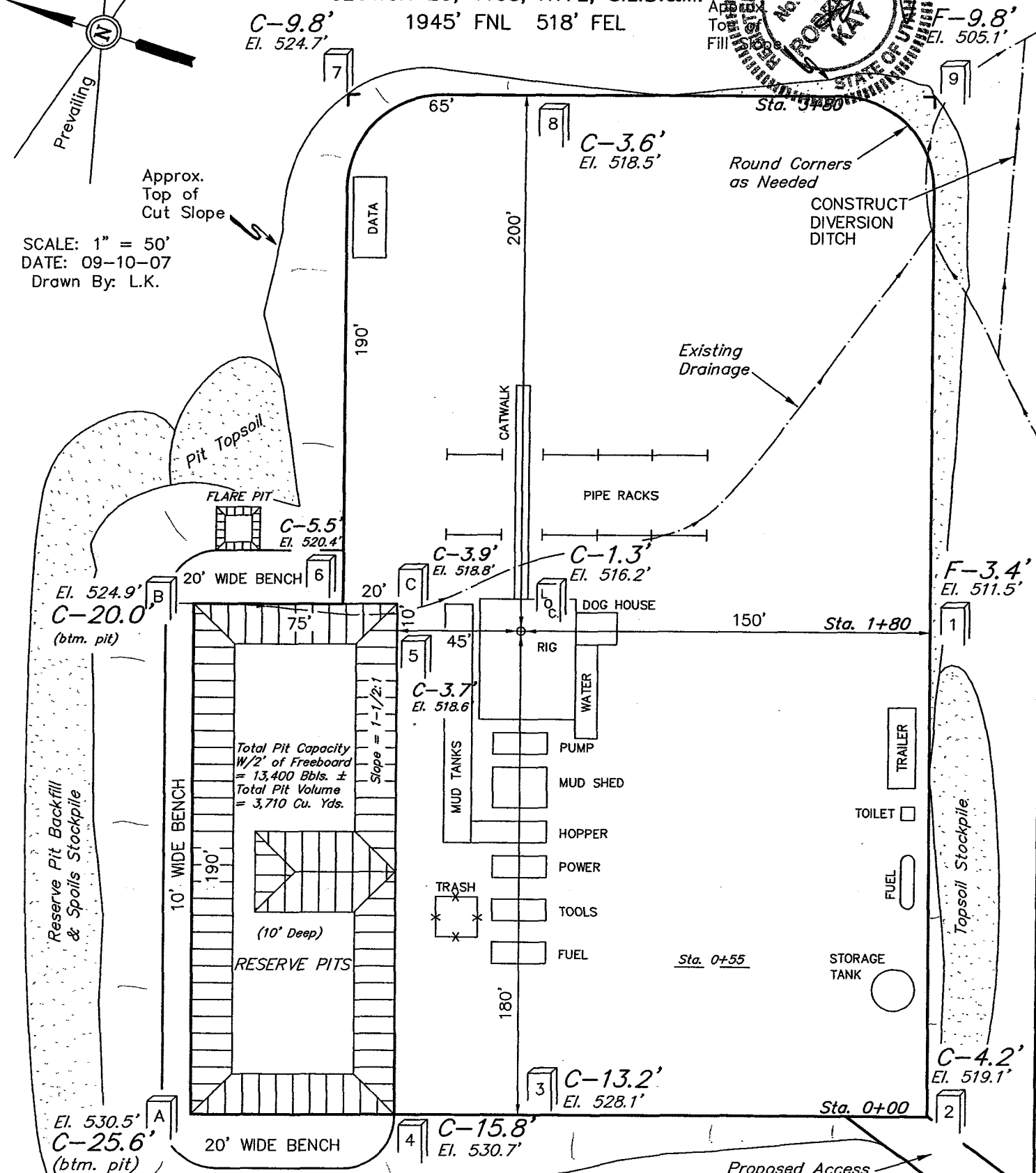
1945' FNL 518' FEL

C-9.8'  
El. 524.7'

Approx. No. **F-9.8**  
To **El. 505.1'**  
Fill Slope



SCALE: 1" = 50'  
DATE: 09-10-07  
Drawn By: L.K.



Elev. Ungraded Ground at Location Stake = 5516.2'  
Elev. Graded Ground at Location Stake = 5514.9'

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017

# GASCO PRODUCTION COMPANY

## TYPICAL CROSS SECTIONS FOR

WILKIN RIDGE FEDERAL #42-23-10-17

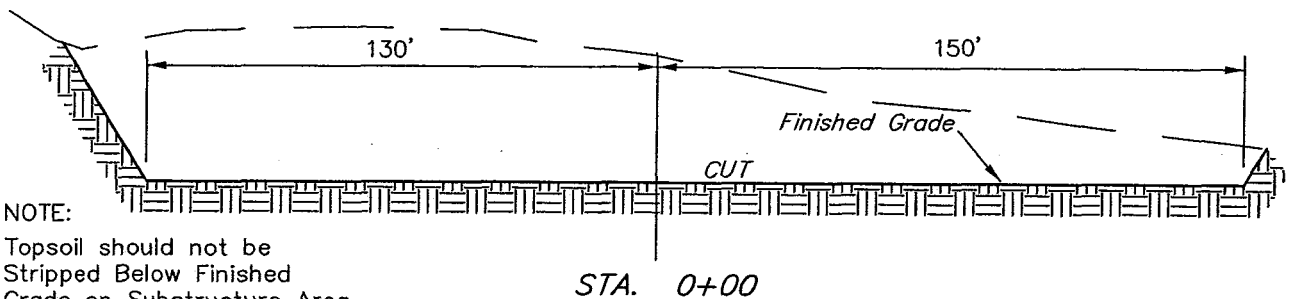
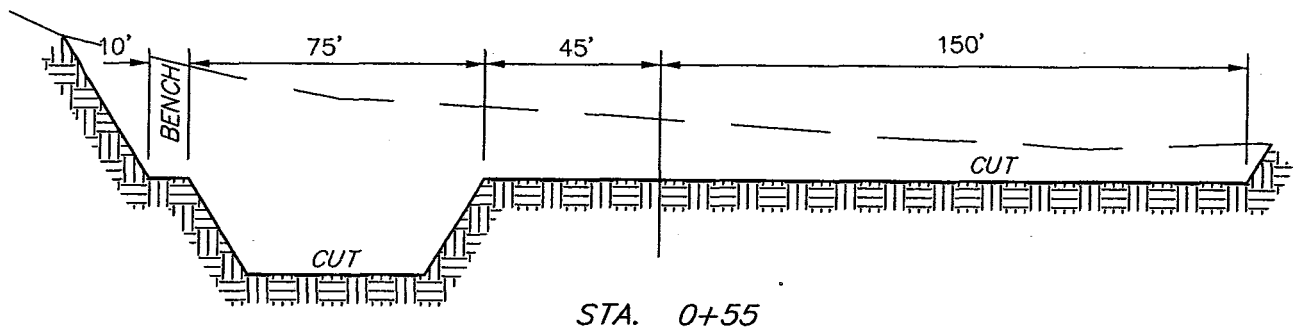
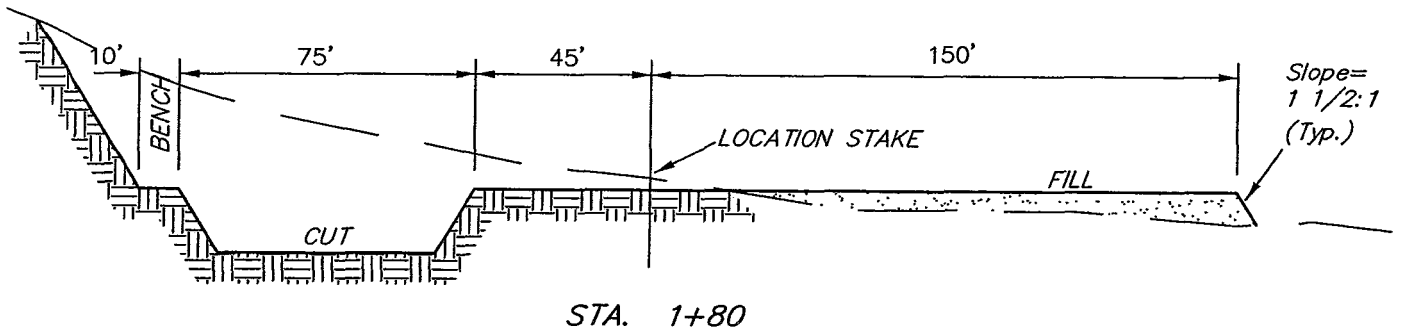
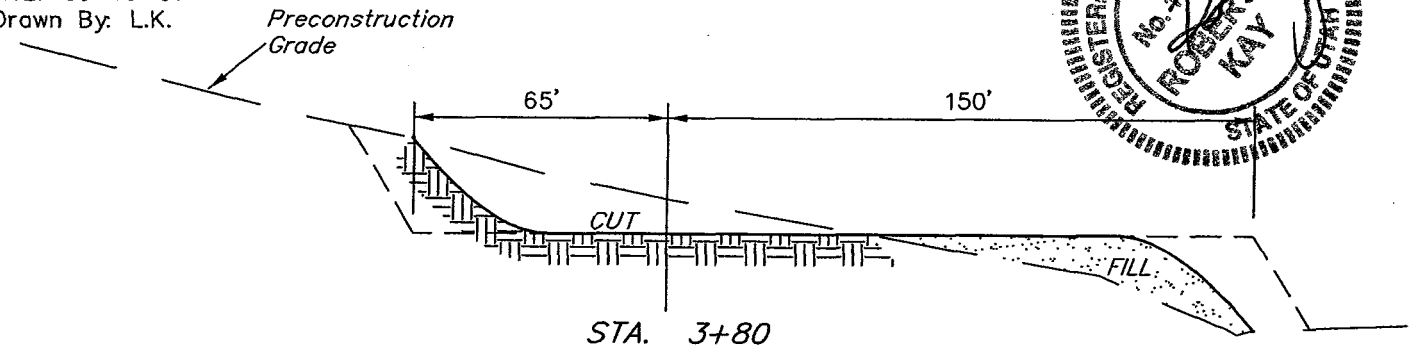
SECTION 23, T10S, R17E, S.L.B.&M.

1945' FNL 518' FEL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 09-10-07

Drawn By: L.K.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

#### CUT

(6") Topsoil Stripping = 2,280 Cu. Yds.

Remaining Location = 20,590 Cu. Yds.

TOTAL CUT = 22,870 CU.YDS.

FILL = 4,610 CU.YDS.

EXCESS MATERIAL = 18,260 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 4,140 Cu. Yds.

EXCESS UNBALANCE (After Interim Rehabilitation) = 14,120 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017



**FEDERAL STIPULATIONS AND TIMING RESTRICTIONS**

Any federal stipulations will be attached as a condition of approval by the BLM.



### ARCHEOLOGY

A Class III Archeological Survey was conducted by Grand River Institute.  
The report will be submitted under separate cover directly by Grand River Institute.





# PALEONTOLOGY EVALUATION SHEET

---

**PROJECT:** GASCO ENERGY WELL – Wilkin Ridge Federal #42-23-10-17

**LOCATION:** Twenty four miles south of Roosevelt, Utah in 1945' FNL 518' FEL of section 23, T10S, R17E, Uintah County, Utah.

**OWNERSHIP:** PRIV[ ] STATE[ ] BLM[X] USFS[ ] NPS[ ] IND[ ] MIL[ ] OTHER[ ]

**DATE:** September 27, 2007

**GEOLOGY/TOPOGRAPHY:** Rock exposures in the area are of the lower part of the lower member of the Uinta Formation, Upper Eocene age. This is an area of moderate relief with Uinta Formation outcrops and flat to round-bottom drainages. The well pad sits on a south sloping area south of a saddle surrounded by tan sandstone and underlain by gray sandstone of the Uinta Formation. It is south of Desert Spring Wash. The access road leaves a two-track road and goes south across one draw, over a small hill and across another drainage and up to well pad.

**PALEONTOLOGY SURVEY:** YES [X] NO Survey [ ] PARTIAL Survey [ ]  
The well pad, road and pipeline routes were surveyed.

**SURVEY RESULTS:** Invertebrate [ ] Plant [ ] Vertebrate [X] Trace [ ] No Fossils Found [ ]

Occasional turtle shell fragments, weathered, scattered and of poor quality. These were mostly seen along the access road on each side of the small hill, but two isolated fragments were found at the well pad. None of this material was deemed important enough to record as a locality.

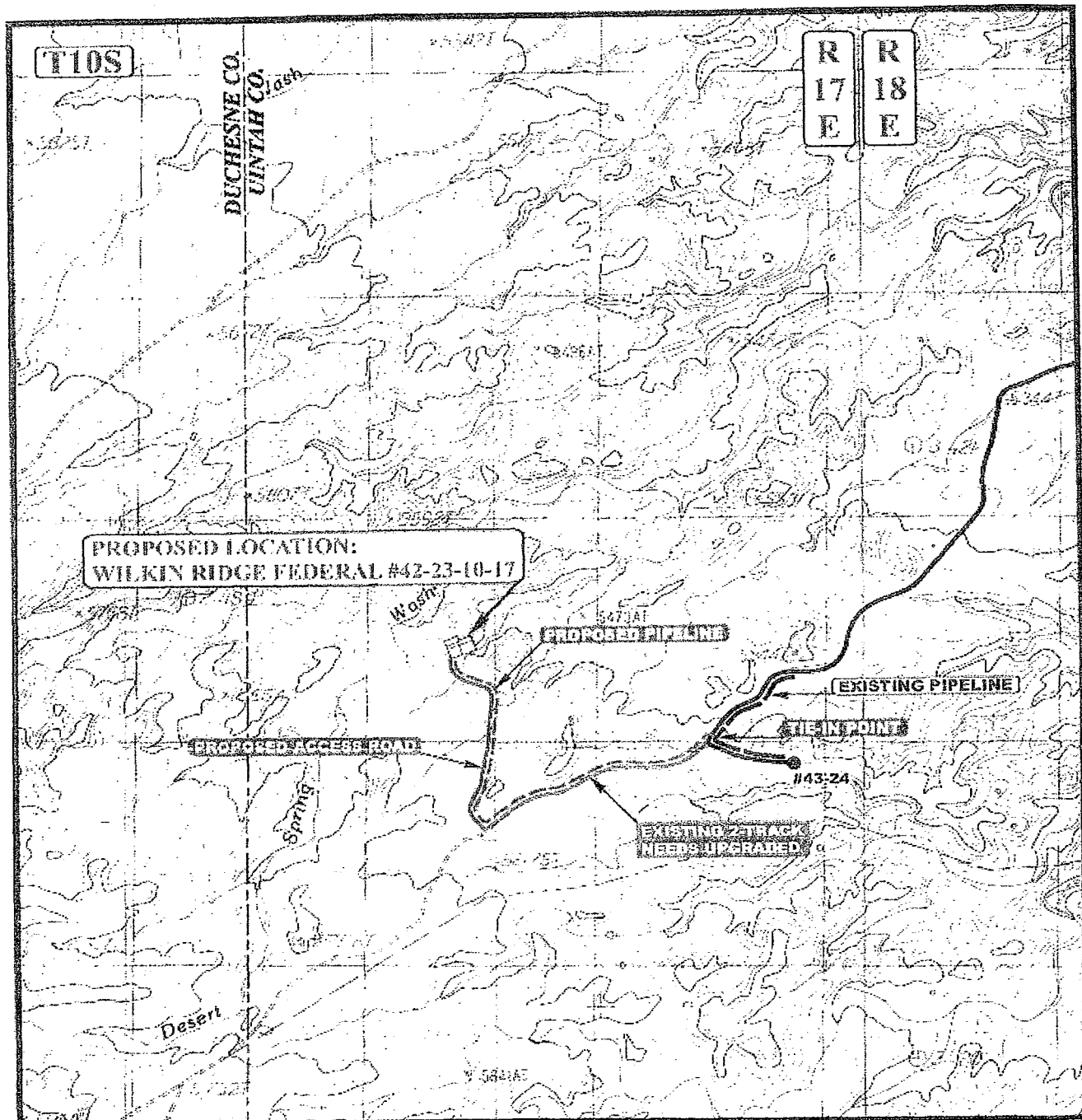
**PALEONTOLOGY SENSITIVITY:** HIGH [ ] MEDIUM [x] LOW [x] (PROJECT SPECIFIC)

**MITIGATION RECOMMENDATIONS:** NONE [X] OTHER [ ] (SEE BELOW)

There is always some potential for discovery of significant paleontological resources in the Uinta Formation. If significant vertebrate fossils (mammals, crocodiles, complete turtle shells, etc.) are encountered during construction, work should stop in that area and a paleontologist contacted to evaluate the material discovered.

**PALEONTOLOGIST:** Alden H. Hamblin

*A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355*  
Utah State Paleontological Permit # 04-339, BLM paleontological Resources Permit # UT-S-05-02.  
Utah Professional Geologist License – 5223011-2250.



APPROXIMATE TOTAL PIPELINE DISTANCE 6.811' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- EXISTING PIPELINE
- PROPOSED PIPELINE



**GASCO PRODUCTION COMPANY**

WILKIN RIDGE FEDERAL #42-23-10-17  
SECTION 23, T10S, R17E, S.L.B.&M.  
1945' FNL 518' FEL.



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC MAP  
SCALE: 1" = 2000'  
DRAWN BY: C.P.  
REVIS: 00-00-00

08 28 07  
MONTH DAY YEAR

**D**  
TOPO

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/23/2009

API NO. ASSIGNED: 43-047-40599

WELL NAME: WILKIN RIDGE FED 42-23-10-17

OPERATOR: GASCO PRODUCTION ( N2575 )

PHONE NUMBER: 303-483-0044

CONTACT: ROGER KNIGHT

PROPOSED LOCATION:

SENE 23 100S 170E

SURFACE: 1945 FNL 0518 FEL

BOTTOM: 1945 FNL 0518 FEL

COUNTY: UINTAH

LATITUDE: 39.93138 LONGITUDE: -109.96550

UTM SURF EASTINGS: 588396 NORTHINGS: 4420443

FIELD NAME: UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-74401

PROPOSED FORMATION: BLKHK

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UT 1233 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-1721 )  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_\_\_ R649-2-3.

Unit: WILKIN RIDGE DEEP

☒ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_\_\_ R649-3-3. Exception  
\_\_\_\_\_ Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_

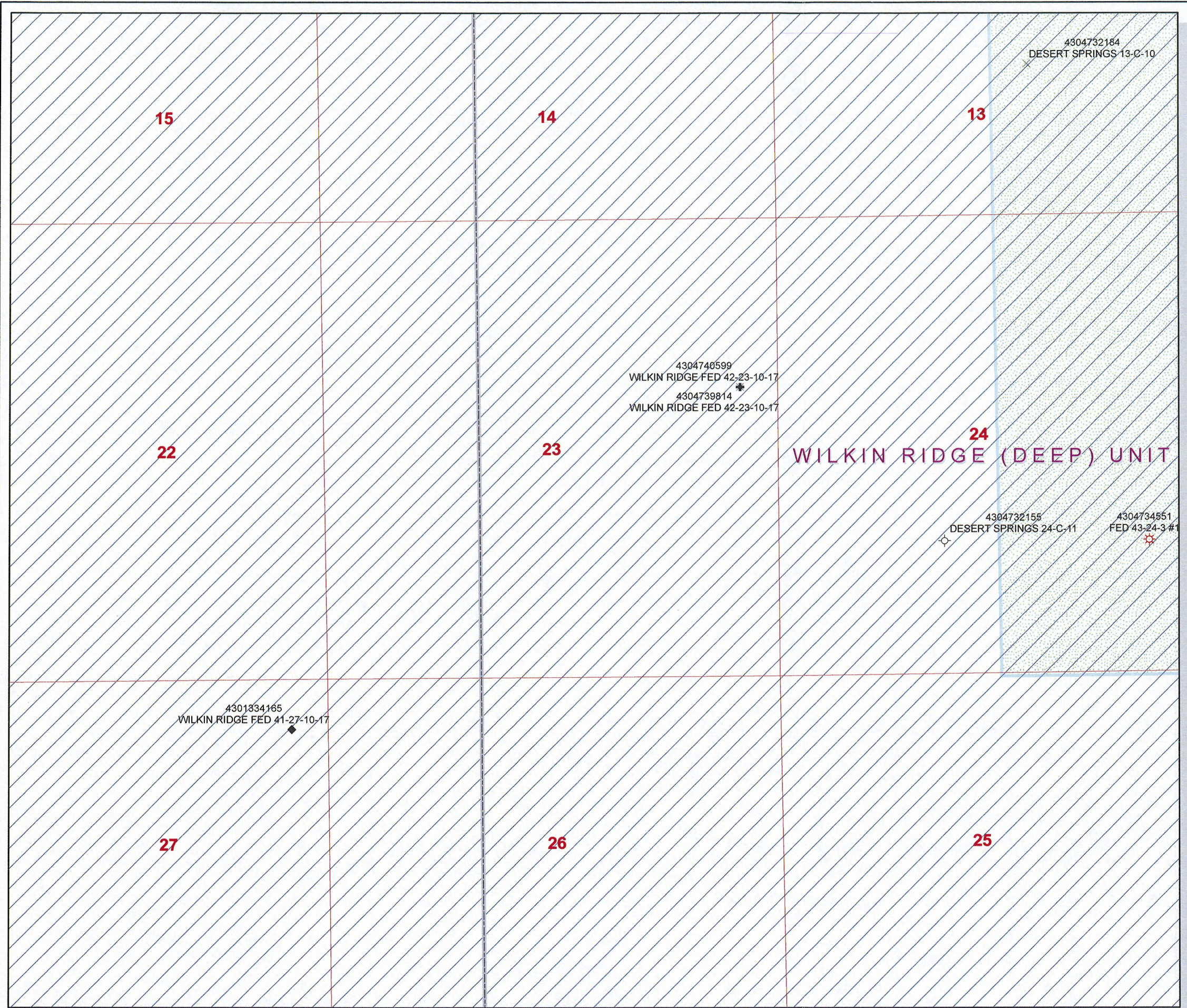
\_\_\_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1- Federal Approval*  
*2- Spacing Stir*

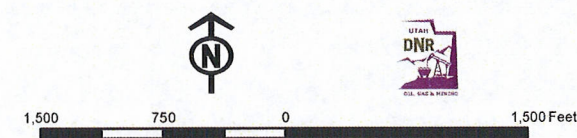




API Number: 4304740599  
Well Name: WILKIN RIDGE FED 42-23-10-17  
Township 10.0 S Range 17.0 E Section 23  
Meridian: SLBM  
Operator: GASCO PRODUCTION COMPANY

Map Prepared:  
Map Produced by Diana Mason

Units	Wells Query Events
STATUS	<all other values>
ACTIVE	GIS_STAT_TYPE
EXPLORATORY	<Null>
GAS STORAGE	APD
NF PP OIL	DRL
NF SECONDARY	GI
PI OIL	GS
PP GAS	LA
PP GEOTHERML	NEW
PP OIL	OPS
SECONDARY	PA
TERMINATED	PGW
Fields	POW
STATUS	RET
ACTIVE	SGW
COMBINED	SOW
Sections	TA
	TW
	WD
	WI
	WS



1:14,171



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

March 27, 2009

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2009 Plan of Development Wilkin Ridge Unit, Duchesne and  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2009 within the Wilkin Ridge Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Blackhawk)

43-013-34245 Wilkin Ridge Fed 41-28-10-17 Sec 28 T10S R17E 0793 FNL 0858 FEL  
43-047-40599 Wilkin Ridge Fed 42-23-10-17 Sec 23 T10S R17E 1945 FNL 0518 FEL

Both wells were previously permitted, the 41-28-10-17 as 4301333473 see memo dated 1/2/2007 and the 42-23-10-17 as 4304739814 see memo dated 12/17/2007. This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Wilkin Ridge Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

March 30, 2009

Gasco Production Company  
8 Inverness Drive East  
Englewood, CO 80112

Re: Wilkin Ridge Federal 42-23-10-17 Well, 1945' FNL, 518' FEL, SE NE, Sec. 23,  
T. 10 South, R. 17 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40599.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



Operator: Gasco Production Company  
Well Name & Number Wilkin Ridge Federal 42-23-10-17  
API Number: 43-047-40599  
Lease: UTU-74401

Location: SE NE Sec. 23 T. 10 South R. 17 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-74401</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>N/A</b>
2. Name of Operator <b>Gasco Production Company</b>		7. If Unit or CA Agreement, Name and No. <b>Wilkin Ridge</b>
3. Name of Agent <b>PermitCo Inc. - Agent</b>		8. Lease Name and Well No. <b>Wilkin Ridge Federal #42-23-10-17</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>1945' FNL and 518' FEL</b> At proposed prod. zone <b>SE NE</b>		9. API Well No. <b>43 047 40559</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximately 28 miles southeast of Myton, UT</b>		10. Field and Pool, or Exploratory <b>Wilkin Ridge</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>518'</b>	16. No. of Acres in lease <b>1440</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>Section 23, T10S - R17E</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>None</b>	19. Proposed Depth <b>12,755'</b>	12. County or Parish <b>Uintah</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5516' GL</b>	20. BLM/BIA Bond No. on file <b>Bond #UT-1233</b>	13. State <b>Utah</b>
22. Approximate date work will start* <b>ASAP</b>		23. Estimated duration <b>24 Days</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

**CONFIDENTIAL-TIGHT HOLE**

25. Signature <i>Venessa Langmacher</i>	Name (Printed/Typed) <b>Venessa Langmacher</b>	Date <b>10/23/2007</b>
Title <b>Authorized Agent for Gasco Production Company</b>		
Approved by (Signature) <i>Stephanie J Howard</i>	Name (Printed/Typed) <b>Stephanie J Howard</b>	Date <b>12/14/09</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>		
Office <b>VERNAL FIELD OFFICE</b>		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

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**NOTICE OF APPROVAL**

**DIV. OF OIL, GAS & MINING**

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**UDOGM**

**NOS: 08/02/2007**  
**07 PD 2589A**





UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078 (435) 781-4401



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company:	Gasco Production Company	Location:	SENE, Sec. 23, T10S, R17E
Well No:	Wilkin Ridge Federal 42-23-10-17	Lease No:	UTU-74401
API No:	43-047-40599	Agreement:	Wilkin Ridge Unit

OFFICE NUMBER: (435) 781-4400  
OFFICE FAX NUMBER: (435) 781-3420

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**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE** <sup>OF OIL, GAS & MINING</sup>

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC COAs:**

- Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.
- The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. On BLM administered land, it is required that a Pesticide Use Proposal be submitted, approved and a permit issued prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- The operator shall construct a low water crossing along the proposed access road in order to maintain existing drainage.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt. The following seed mix shall be used:

Type		lbs./acre
Western Wheatgrass	<i>Agropyron smithii</i>	4
Needle and Threadgrass	<i>Stipa comata</i>	4
Hy-crest Crested wheatgrass	<i>Agropyron cristatum</i>	4
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

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- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The following seed mix shall be used, unless BLM personnel determine that conditions have changed and another mix will be more suitable:

Type		lbs./acre
Shadscale	<i>Atriplex confertifolia</i>	3
Winterfat	<i>Eurotia lanata</i>	3
Galleta grass	<i>Hilaria jamesil</i>	3
Indian Rice Grass	<i>Oryzopsis hymenoides</i>	3
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

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***DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**SITE SPECIFIC DOWNHOLE COAs:**

1. A surface casing shoe integrity test shall be performed.
2. Production casing cement top shall be at a minimum of 200' above the surface casing shoe.
3. A Cement Bond Log (CBL) shall be run from TD to the base of the surface casing.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:**

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

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- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

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## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion

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Page 7 of 8  
Well: Wilkin Ridge Fed 42-23-10-17  
12/14/2009

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Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office

Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74401			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> WILKIN RIDGE DEEP			
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112		<b>8. WELL NAME and NUMBER:</b> WILKIN RIDGE FED 42-23-10-17			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1945 FNL 0518 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 10.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047405990000			
<b>PHONE NUMBER:</b> 303 483-0044 Ext		<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED			
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/12/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION          OTHER: _____       </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>					
<div style="text-align: right;"> <p style="color: red; font-weight: bold; margin: 0;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold; margin: 0;">Date: <u>April 13, 2010</u></p> <p style="color: red; font-weight: bold; margin: 0;">By: <u></u></p> </div>					
<b>NAME (PLEASE PRINT)</b> Roger Knight	<b>PHONE NUMBER</b> 303 996-1803	<b>TITLE</b> EHS Supervisor			
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/31/2010			



## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047405990000

**API:** 43047405990000

**Well Name:** WILKIN RIDGE FED 42-23-10-17

**Location:** 1945 FNL 0518 FEL QTR SENE SEC 23 TWNP 100S RNG 170E MER S

**Company Permit Issued to:** GASCO PRODUCTION COMPANY

**Date Original Permit Issued:** 3/30/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
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- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Roger Knight

**Date:** 3/31/2010

**Title:** EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY

**Date:** April 13, 2010

**By:** 

**RECEIVED** March 31, 2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74401			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> WILKIN RIDGE DEEP			
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112		<b>8. WELL NAME and NUMBER:</b> WILKIN RIDGE FED 42-23-10-17			
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1945 FNL 0518 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 10.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047405990000			
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED		<b>COUNTY:</b> UTAH			
<b>STATE:</b> UTAH					
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/30/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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<div style="text-align: right;"> <p style="color: red; font-weight: bold; margin: 0;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold; margin: 0;">Date: 03/31/2011</p> <p style="color: red; font-weight: bold; margin: 0;">By: </p> </div>					
<b>NAME (PLEASE PRINT)</b> Roger Knight		<b>PHONE NUMBER</b> 303 996-1803			
<b>SIGNATURE</b> N/A		<b>TITLE</b> EHS Supervisor			
<b>DATE</b> 3/30/2011					



## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047405990000

**API:** 43047405990000

**Well Name:** WILKIN RIDGE FED 42-23-10-17

**Location:** 1945 FNL 0518 FEL QTR SENE SEC 23 TWP 100S RNG 170E MER S

**Company Permit Issued to:** GASCO PRODUCTION COMPANY

**Date Original Permit Issued:** 3/30/2009

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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Roger Knight

**Date:** 3/30/2011

**Title:** EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY

**RECEIVED** Mar. 30, 2011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

NOV 22 2011

BLM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU74401
2. Name of Operator GASCO PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name
Contact: JESSICA BERG E-Mail: jberg@gascoenergy.com		7. If Unit or CA/Agreement, Name and/or No. UTU81153X
3a. Address 8 INVERNESS DRIVE EAST, SUITE 100 ENGLEWOOD, CO 80112-5625	3b. Phone No. (include area code) Ph: 303-996-1805	8. Well Name and No. WILKIN RIDGE FEDERAL 42-23-10-17
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 23 T10S R17E SENE 1945FNL 518FEL		9. API Well No. 43-047-40599-00-X1
		10. Field and Pool, or Exploratory WILKIN RIDGE
		11. County or Parish, and State UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Gasco would like to request a two year extension to this APD, which is due to expire December 15, 2011.

RECEIVED

JAN 18 2012

DIV. OF OIL, GAS &amp; MINING

CONDITIONS OF APPROVAL ATTACHED

VERNAL FIELD OFFICE
ENG. <i>RAA</i> 12/16/11
GEOL. _____
E.S. _____
PET. _____
ECL. _____

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #123890 verified by the BLM Well Information System For GASCO PRODUCTION COMPANY, sent to the Vernal Committed to AFMSS for processing by ROBIN R. HANSEN on 11/23/2011 (12RRH0821SE)	
Name (Printed/Typed) JESSICA BERG	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 11/22/2011

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>[Signature]</i>	Title Assistant Field Manager Lands & Mineral Resources	DEC 20 2011
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office VERNAL FIELD OFFICE	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UDOGM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

120110821SE

# **CONDITIONS OF APPROVAL**

## **Gasco Production Company**

### **Notice of Intent APD Extension**

**Lease:** UTU-74401  
**Well:** WILKIN RIDGE FEDERAL 42-23-10-17  
**Location:** SENE Sec 23-T10S-R17E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 12-14-2013.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74401			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> WILKIN RIDGE DEEP			
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		<b>8. WELL NAME and NUMBER:</b> WILKIN RIDGE FED 42-23-10-17			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1945 FNL 0518 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 10.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047405990000			
<b>PHONE NUMBER:</b> 303 483-0044 Ext		<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/30/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> <b>APD EXTENSION</b>          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
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<p style="color: red; margin: 0;"> <b>Approved by the              Utah Division of              Oil, Gas and Mining</b> </p> <p style="color: red; margin: 0;"> <b>Date:</b> March 26, 2012         </p> <p style="color: red; margin: 0;"> <b>By:</b> </p>					
<b>NAME (PLEASE PRINT)</b> Roger Knight		<b>PHONE NUMBER</b> 303 996-1803			
<b>SIGNATURE</b> N/A		<b>TITLE</b> EHS Supervisor			
<b>DATE</b> 3/21/2012					



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047405990000**

**API:** 43047405990000

**Well Name:** WILKIN RIDGE FED 42-23-10-17

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**Signature:** Roger Knight

**Date:** 3/21/2012

**Title:** EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

<http://www.blm.gov/ut/st/en.html>

**FEB 05 2013**

**RECEIVED**  
**FEB 07 2013**  
**DIV. OF OIL, GAS & MINING**



IN REPLY REFER TO:

3180 (UTU81153X)

UT-922000

Ms. Frankie L. Martinez

Gasco Energy, Inc.

7979 East Tufts Avenue, Suite 1150

Denver, Colorado 80237

Re: Automatic Contraction  
Wilkin Ridge (Deep) Unit  
Uintah and Duchesne Counties, Utah

Dear Ms. Martinez:

Your letter of January 24, 2013, describes the lands automatically eliminated effective September 17, 2012, from the Wilkin Ridge (Deep) Unit Area, Uintah and Duchesne Counties, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 44,447.23 acres, more or less, and constitute all legal subdivisions, no parts of which are included in the Wilkin Ridge (Deep) Participating Areas "A" and "B". As a result of the automatic contraction, the unit is reduced to 480.00 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTU56947	UTU75084	UTU77063	UTU88144
UTU68387	UTU75085	UTU78214	UTU88204
UTU68620*	UTU75086	UTU78215	
UTU74400	UTU75087	UTU78216	
UTU74401	UTU75088	UTU80950	
UTU74402	UTU75235	UTU81003*	
UTU74403	UTU75236	UTU81706*	
UTU74407	UTU75514	UTU82704	
UTU74408	UTU75515	UTU82705	
UTU74836	UTU75672	UTU84262	
UTU74968	UTU76031	UTU84263	
UTU74971	UTU76032	UTU84264	
UTU75079	UTU76256	UTU84265	
UTU75080	UTU76258	UTU88068	
UTU75081	UTU76716	UTU88069	
UTU75082	UTU76717	UTU88072	

Tract No. 43 UNLEASED\*

\*Indicates non-committed lease

The following Federal Leases are partially eliminated from the unit area:

UTU65632

UTU75083

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties. If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger L. Bankert".

Roger L. Bankert  
Chief, Branch of Minerals

Enclosure

cc: UDOGM  
SITLA  
ONRR w/Exhibit "B" (Attn: Nancy McCarthy)  
(UTG01) BLM FOM - Vernal w/enclosure

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74401			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b>		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>3. ADDRESS OF OPERATOR:</b> , , , Ext		<b>8. WELL NAME and NUMBER:</b> WILKIN RIDGE FED 42-23-10-17			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1945 FNL 0518 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 23 Township: 10.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047405990000			
<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED		<b>COUNTY:</b> UINTAH			
<b>STATE:</b> UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/30/2014</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> April 01, 2013 <b>By:</b>					
<b>NAME (PLEASE PRINT)</b> Roger Knight		<b>PHONE NUMBER</b> 303 996-1803			
<b>SIGNATURE</b> N/A		<b>TITLE</b> EHS Supervisor			
<b>DATE</b> 3/29/2013					



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047405990000**

API: 43047405990000

Well Name: WILKIN RIDGE FED 42-23-10-17

Location: 1945 FNL 0518 FEL QTR SENE SEC 23 TWNP 100S RNG 170E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/30/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Roger Knight

Date: 3/29/2013

Title: EHS Supervisor Representing: GASCO PRODUCTION COMPANY



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

June 5, 2014

Gasco Production Company  
7979 Tufts Ave., Suite 1150  
Denver, CO 80237

Re: APD Rescinded – Wilkin Ridge Fed 42-23-10-17, Sec. 23, T.10S, R.17E,  
Uintah County, Utah API No. 43-047-40599

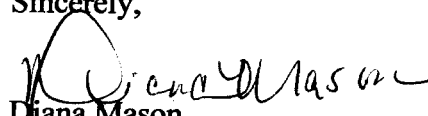
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on March 30, 2009. On April 13, 2010, March 31, 2011, March 26, 2012 and April 1, 2013 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective June 5, 2014.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal

